Classifieds

Menu Items 1

Tool bar 2 4 5

My Internet	Name	Description	Popularity	Modified	URL
Arts & Humanities	Audi	Automobiles	70%	09/01/01	www.carbuyers.com
Business & Economy 3	Jobs 6	Employment opportunities	55%	08/12/01	www.jobfinder.com
Business Libraries	Sports	Sporting goods	44%	07/23/01	www.playhard.com
Classifieds	Home	Housing	60%	09/11/01	www.yourhome.com
Employment & Work					
Computers					
Additional info for selected folder	Additional info for selected file or Advertisement				

Figure 1a. User Interface Example

Employment & Work

Menu Items 1

Tool bar 2 4 5

My Internet	Name	Description	Popularity	Modified	URL
Arts & Humanities	Jobs	Employment opportunities	55%	08/12/01	www.jobfinder.com
Business & Economy 3					
Business Libraries					
Classifieds					
Employment & Work					
Computers					
Additional info for selected folder	Additional info for selected file or Advertisement				

Figure 1b. User Interface Example

Classifieds				
Menu Items				
Tool bar				
Name	**Description**	**Popularity**	**Modified**	**URL**
Audi	Automobiles	70%	09/01/01	www.carbuyers.com
Jobs	Employment opportunities	55%	08/12/01	www.jobfinder.com
Sports	Sporting goods	44%	07/23/01	www.playhard.com
Home	Housing	60%	09/11/01	www.yourhome.com

Additional info for selected file or Advertisement

Figure 2a. User Interface Example

Employment & Work				
Menu Items				
Tool bar				
Name	**Description**	**Popularity**	**Modified**	**URL**
Jobs	Employment opportunities	55%	08/12/01	www.jobfinder.com

Additional info for selected file or Advertisement

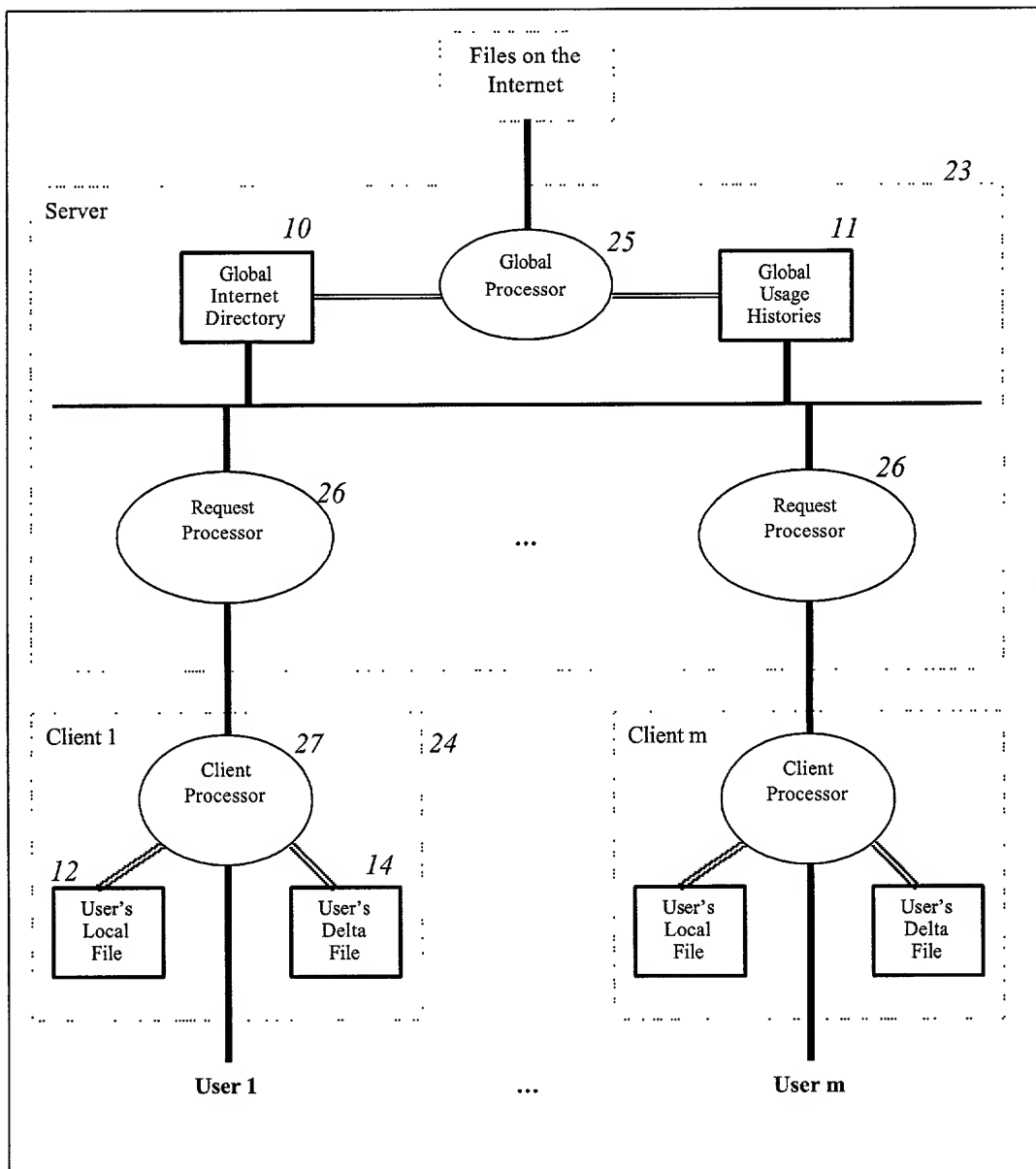Figure 2b. User Interface Example
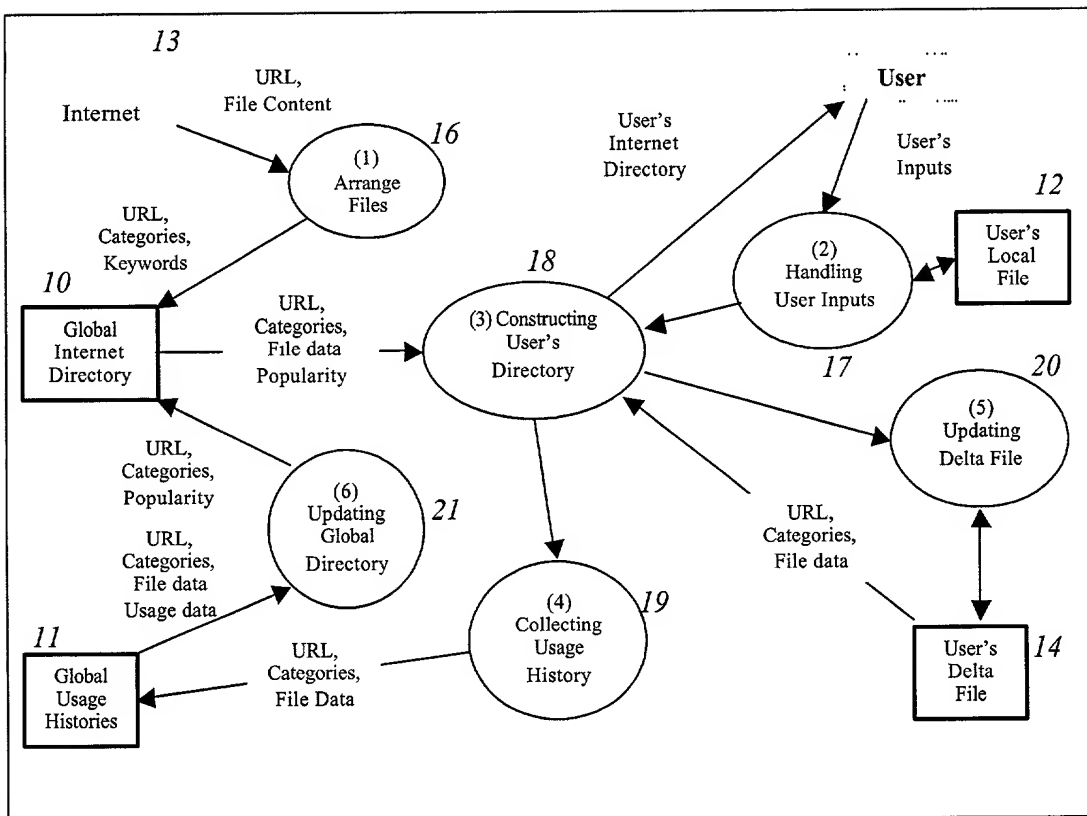
Figure 3. Dataflow Diagram

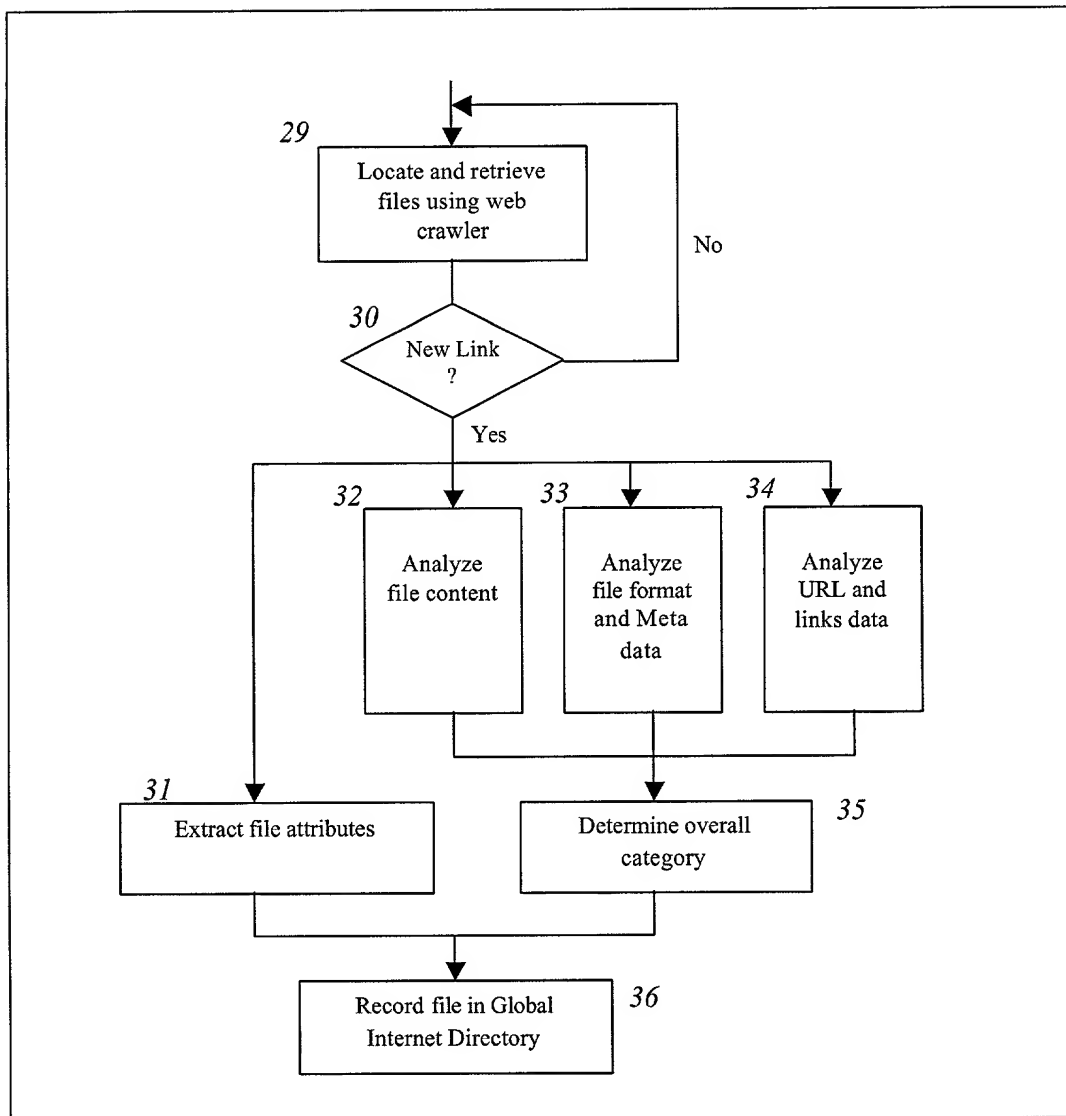Figure 4. Block Diagram of the Invention

29 — Locate and retrieve files using web crawler

30 — New Link ? — No — Yes

32 — Analyze file content

33 — Analyze file format and Meta data

34 — Analyze URL and links data

31 — Extract file attributes

35 — Determine overall category

36 — Record file in Global Internet Directory

Figure 5. Process (1) Arrange Files to Create a Global Internet Directory
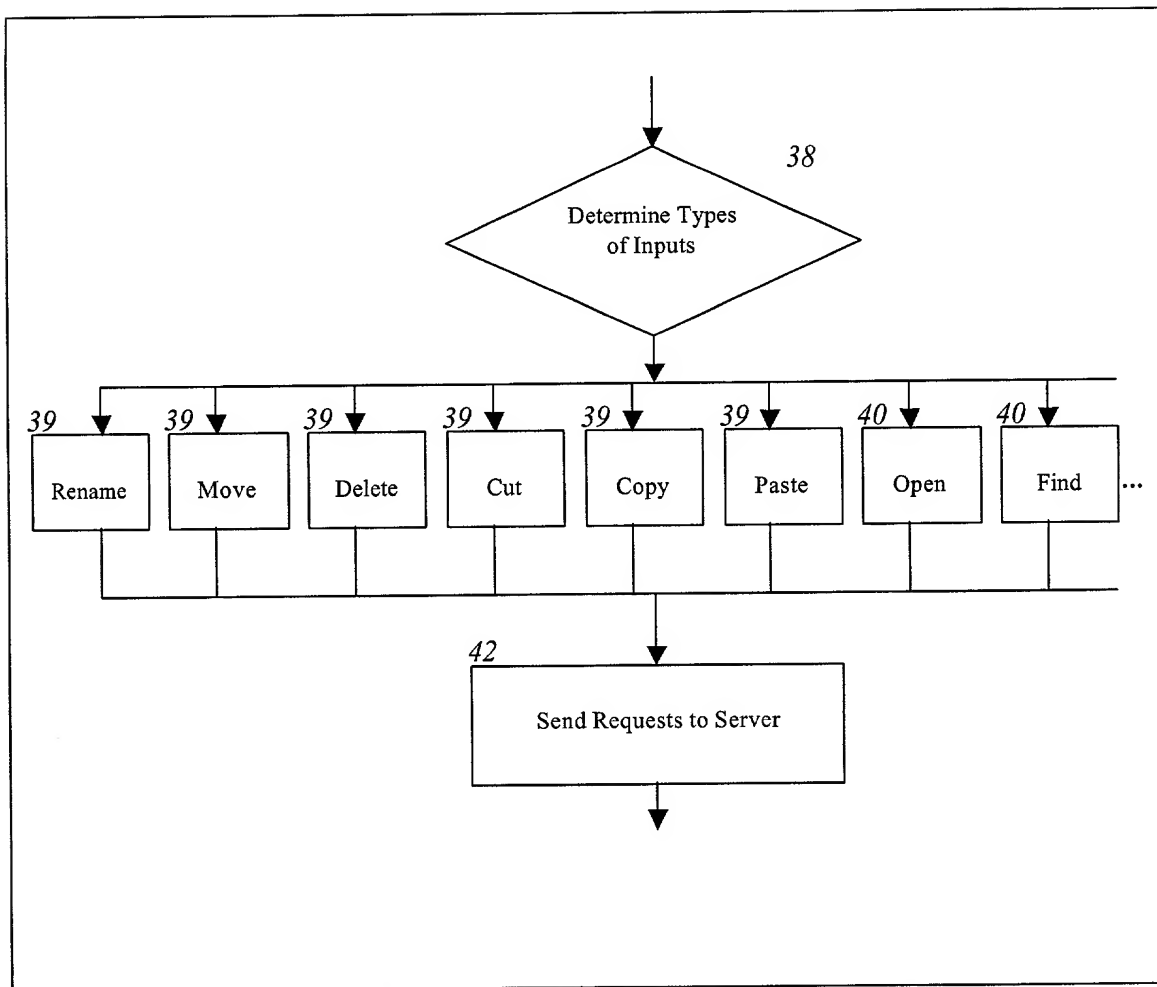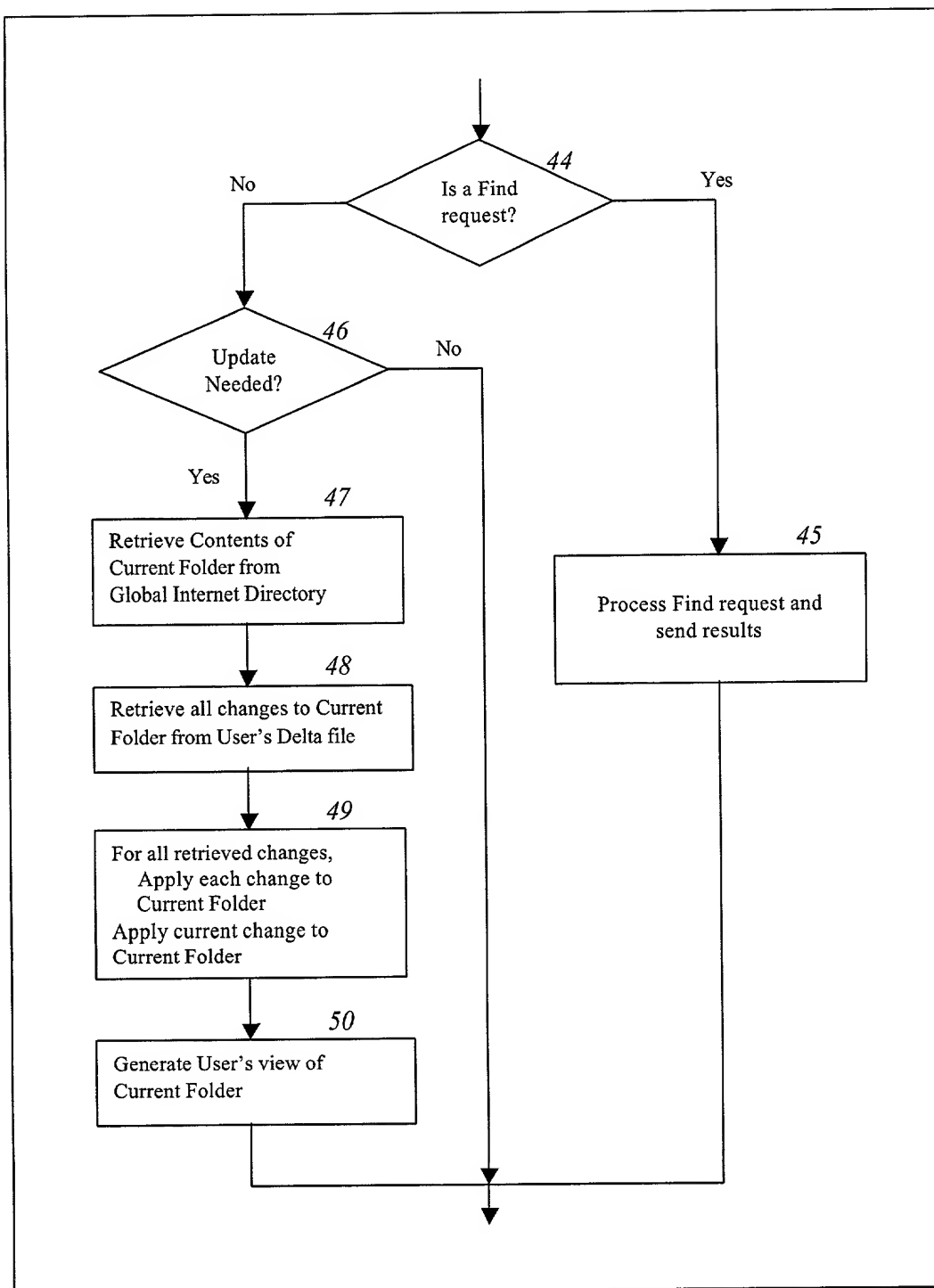
Figure 6. Process (2) Handling User's Inputs

Figure 7. Process (3) Constructing User's Directory

51

Check
Global Usage History
Database

52

Yes ◇ Request Exist ? No

53

Update Popularity attributes
for the Request entry

54

Create New
Request entry

55

Set default popularity
attributes for the
Request entry
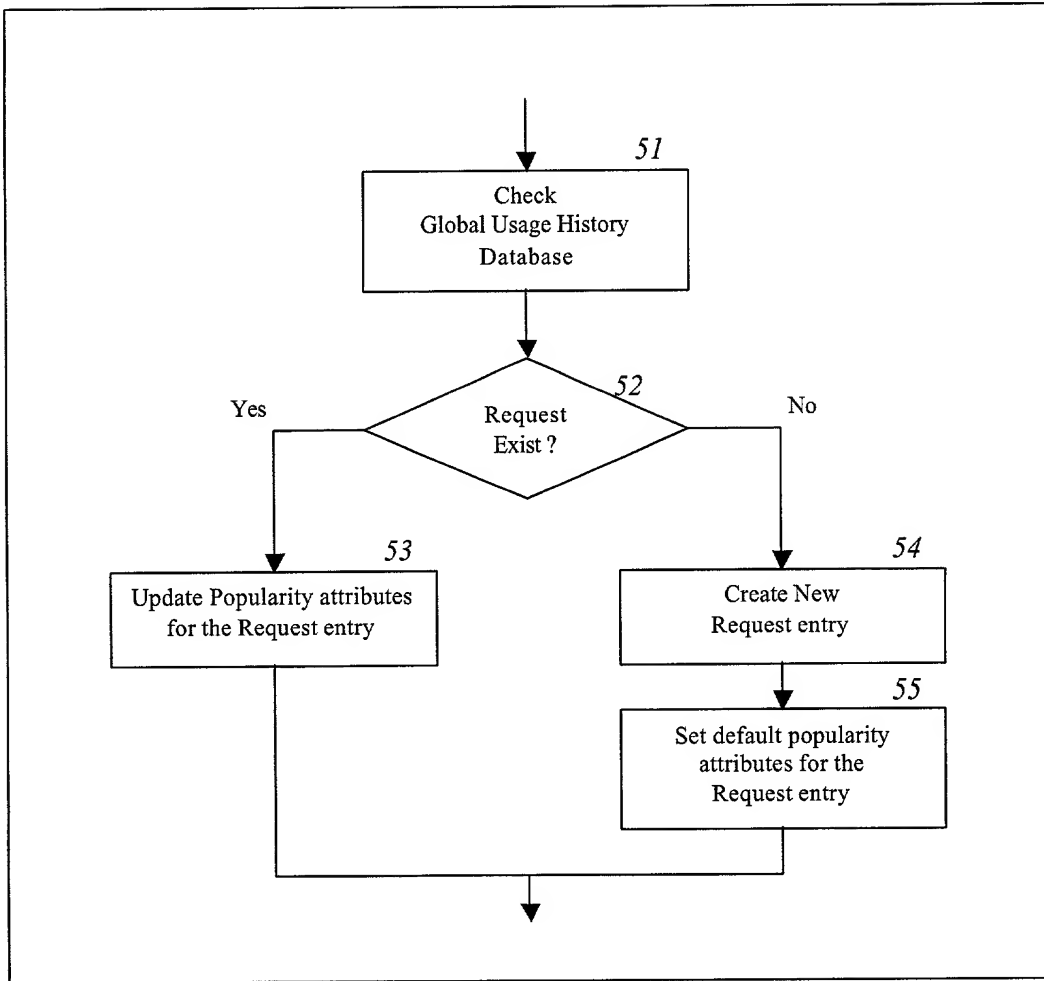
Figure 8. Process (4) Collecting Usage History
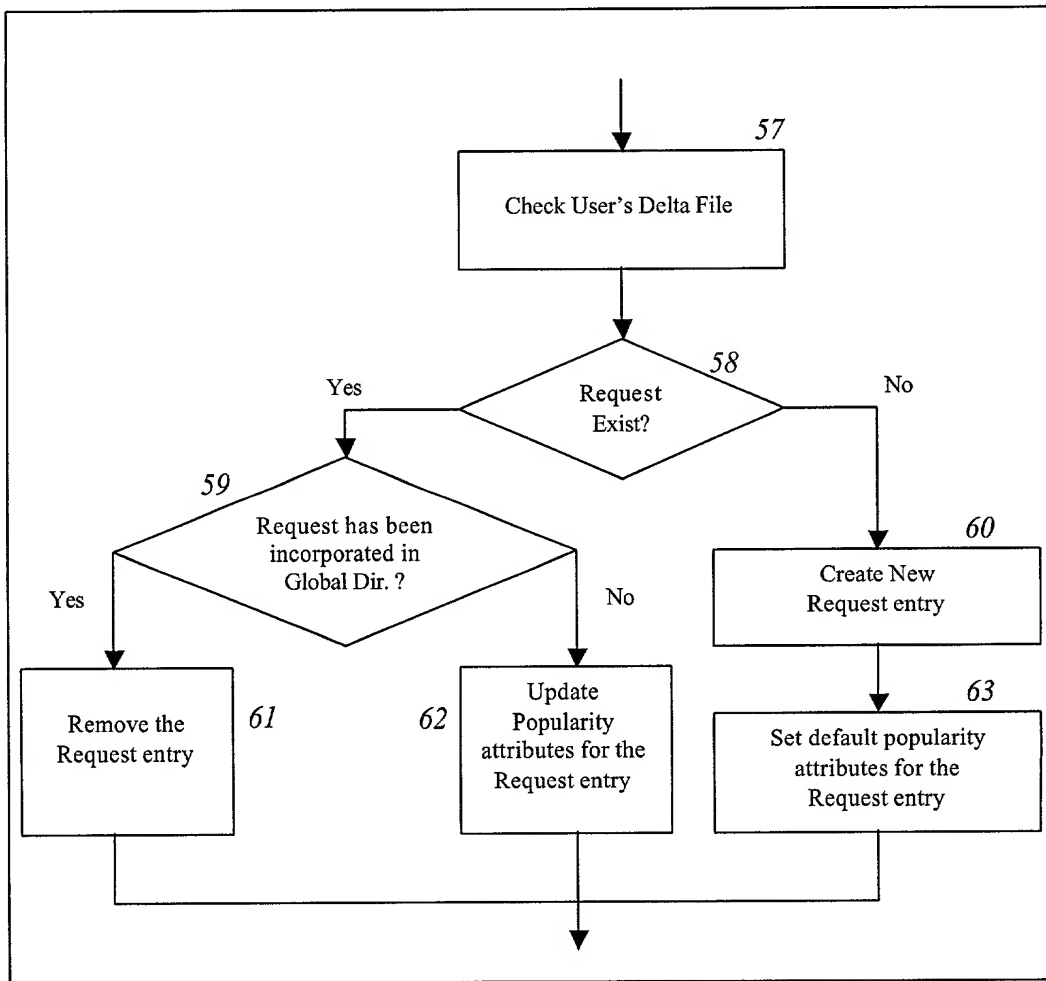
Figure 9. Process (5) Updating Delta Files

Figure 10. Process (6) Updating Global Directory based on Global Usage History